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(71) Applicant (for all designated States except US): SHOWA DENKO K.K. [JP/JP]; 13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): IHARA, Elji [JP/JP]; c/o Showa Denko K.K., Shiojiri Plant, 1, Oaza Soga, Shiojiri-shi, Nagano 399-6461 (JP). YANAGISAWA, Taishu [JP/JP]; c/o Showa Denko K.K., Shiojiri Plant, 1, Oaza Soga, Shiojiri-shi, Nagano 399-6461 (JP).

(74) Agents: SHIGA, Masatake et al.; 2-3-1, Yaesu, Chuo-ku, Tokyo 104-8453 (JP).

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(54) Title: CUBIC BORON NITRIDE, METHOD FOR PRODUCING CUBIC BORON NITRIDE, GRINDING WHEEL WITH CUBIC BORON NITRIDE, AND SINTERED CUBIC BORON NITRIDE COMPACT

(57) Abstract: A method for producing cubic boron nitride in which hBN is held in the presence of a catalyst substance under conditions in which cBN remains thermodynamically stable, to thereby cause hBN to undergo a phase transition to form cBN, wherein the catalyst substance contains a lithium source, a magnesium source, and a carbon source. The performance of cBN is improved even though phase transition ratio from hBN to cBN is increased.